

ABSTRACT

A shock absorber body 30 which makes telescopic motion in response to an input from outside has a ball screw mechanism 16 which converts the telescopic motion into rotary motion and comprises a ball nut 17 and a screw shaft 18. A motor 32 is provided coaxially with the shock absorber body 30. The motor 32 generates electromagnetic resistance to oppose against the rotary motion which inputs into a rotary shaft 6 of the motor 32. The screw shaft 18 and the rotary shaft 6 are formed as one united shaft member. Damping force which opposes against the telescopic motion of the shock absorber body 30 is generated according to electromagnetic force of the motor 32.